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Amendments to the Specification:

Please replace the paragraph beginning at page 5, line 8, with the following amended paragraph:

As used herein, "KIM-1 cytoplasmic domain" means amino acids 312-334 of SEQ ID NO:1 SEQ ID NO:2, or 312-359 of SEQ ID NO:2 SEQ ID NO:1.

Please replace the paragraph beginning at page 5, line 22, with the following amended paragraph:

FIG. 1 (prior art) is a schematic representation of two naturally-occurring splice variants of the human KIM-1 polypeptide (top variant is SEQ ID NO:2; bottom variant is SEQ ID NO:1). The two amino acid sequences are identical through residue 323. The signal sequence (residues 1-20) is indicated by an underline. The transmembrane domain (residues 290-311) is indicated by a double underline.

Please replace the paragraph beginning at page **8**, line **5**, with the following amended paragraph:

The native human KIM-1 gene encodes a polypeptide (FIG. 1) containing 334 amino acids or 359 amino acids (SEQ ID NO:1 SEQ ID NOs:2 or 1, respectively), depending on splice variation, which is at least partially tissue-dependent. Both sequences include: a signal sequence, an Ig domain, a mucin domain, a transmembrane domain, and a cytoplasmic domain.

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Please replace the paragraph beginning at page 17, line 12, with the following amended paragraph:

Other derivatives of KIM-1 polypeptides include covalent or aggregate conjugates of modified KIM-1 or its fragments with other proteins or polypeptides, such as by synthesis in recombinant culture as additional N-termini, or C termini. For example, the conjugated peptide may be a signal (or leader) polypeptide sequence at the N-terminal region of the protein which co-translationally or post-translationally directs transfer of the protein from its site of synthesis to its site of function inside or outside of the cell membrane or wall (e.g., the yeast alpha-factor leader). KIM-1 polypeptides can be fused to heterologous peptides to facilitate purification or identification of the KIM-1 moiety (e.g., histidine/KIM-1 fusions). The KIM-1 moiety also can be linked to the peptide Asp-Tyr-Lys-Asp-Asp-Asp-Asp-Lys (DYKDDDDK) (SEQ ID NO: SEQ ID NO:6) (Hopp et al., 1988, Biotechnology 6:1204). This sequence is highly antigenic and provides an epitope reversibly bound by a specific monoclonal antibody. Consequently, it facilitates assay and purification of the expressed recombinant protein. This sequence is specifically cleaved by bovine mucosal enterokinase at the residue immediately following the Asp-Lys pairing.

Please replace the paragraph beginning at page 30, line 24, with the following amended paragraph:

The extracellular domain (residues 1-290) of human KIM-1 was fused to the Fc portion of human IgG1 (hinge, CH2, CH3) and cloned into pEAG347, a Biogen mammalian expression plasmid. The plasmid contained a tandem promotor for constitutive expression and the dihydrofolate reductase gene for methotrexate selection of stably expressing cell lines. The amino acid sequence of the encoded fusion polypeptide was as follows:

1 10 20 30 40 50 60 MHPQVVILSLILHLADSVAGSVKVGGEAGPSVTLPCHYSGAVTSMCWNRGSCSLFTCQNG

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	70	80	90	100	110	120				
IVWTNGTHVTYRKDTRYKLLGDLSRRDVSLTIENTAVSDSGVYCCRVEHRGWFNDMKITV										
	130	140	150	160	170	180				
SLEIVPPKVTTTPIVTTVPTVTTVRTSTTVPTTTTVPTTTVPTTMSIPTTTTVPTTMTVS										
	190	200	210	220		240				
TTTSVPTTTSIPTTTSVPVTTTVSTFVPPMPLPRQNHEPVATSPSSPQPAETHPTTLQGA										
	0.5.0	0.60	0.00	0.00		000				
	250	260	270	280	290	300				
IRREPTSSPLYSYTTDGNDTVTESSDGLWNNNQTQLFLEHSLLTANTTKGVDKTHTCPPC										
	21.0	200	222	2.4.0	250	260				
	310	320	330	340		360				
PAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKT										
	370	380	390	400	410	420				
KPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVY										
KI KEEQINOTIKVVOVDI VDINOMBNOMETIKOKVOMKADI AI TEKTIOKAKOQI KEI QVI										
	430	440	450	460	470	480				
TLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSK										
			·							
	490	500	510 5	18						
LTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK (SEQ ID NO:3)										

Please replace the paragraph beginning at page 31, line 30, with the following amended paragraph:

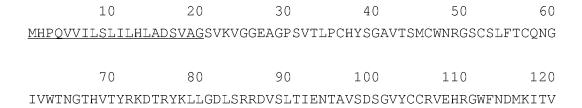
DNA encoding residues 1-129 of human KIM-1 fused to the Fc portion of human IgG1 (hinge, CH2, CH3) was cloned into pEAG347, a Biogen mammalian expression plasmid containing a tandem promotor for constitutive expression and the dihydrofolate reductase gene for methotrexate selection of stably expressing cell lines. The amino acid sequence of the encoded fusion polypeptide was as follows:

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MHPOVVILSLILHLADSVAGSVKVGGEAGPSVTLPCHYSGAVTSMCWNRGSCSLFTCONG IVWTNGTHVTYRKDTRYKLLGDLSRRDVSLTIENTAVSDSGVYCCRVEHRGWFNDMKITV SLEIVPPKVVDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHED PEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPA PIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENN YKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK (SEO ID NO:4)

Please replace the paragraph beginning at page 33, line 2, with the following amended paragraph:

The extracellular domain (residues 1-290) of human KIM-1 was fused to a short C-terminal peptide [VEHHHHHH; SEQ ID NO:5] including a repeat of 6 histidine residues and cloned into pCA125, a BIOGEN mammalian expression plasmid containing a CMV promotor for transient constitutive expression in mammalian cells. The amino acid sequence of the encoded fusion polypeptide was as follows:



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	130	140	150	160	170	180			
SLEIVPPKVTTTPIVTTVPTVTTVRTSTTVPTTTTVPTTTVPTTMSIPTTTTVPTTMTVS									
	190	200	210	220	230	240			
TTTSVPTTTSIPTTTSVPVTTTVSTFVPPMPLPRQNHEPVATSPSSPQPAETHPTTLQGA									
	250	260	270	280	290				
IRREPTSSPLYSYTTDGNDTVTESSDGLWNNNQTQLFLEHSLLTANTTKGVEHHHHHH (SEQ ID NO:7)									

Please replace the paragraph beginning at page 33, line 25, with the following amended paragraph:

A PCR-amplified ectodomain of murine kim-1 flanked by NotI and SalI sites was fused with human IgG1Fc (isolated from EAG409 as a SalI-NotI fragment) and cloned into Ebna 293 cell expression vector CH269 (construct PEM073-6) and CHO cell expression vector pV90 (construct PEM078-1). The SalI site is at the junction between kim1 and Fc. The resulting nucleotide sequence of the ORF for the fusion protein was as follows (SalI site in upper case):

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actggtacgtggacgtggaggtgcataatgccaagacaaagccgcgggaggagcagtacaacagcacgtaccgtgtg gtcagcgtcctcaccgtcctgcaccaggactggctgaatggcaaggagtacaagtgcaaggtctccaacaaagccctccc agccccatcgagaaaaccatctccaaagccaaagggcagcccgagaaccacaggtgtacaccctgccccatcccggg atgagctgaccaagaaccaggtcagcctgacctgcctggtcaaaggcttctatcccagcgacatcgccgtggagtgggag agcaatgggcagccggagaacaactacaagaccacgcctcccgtgttggactccgacggctccttcttcctctacagcaa gctcaccgtggacaagagcaggggaacggctcttctatgccgtgatgcatgaggctctgcacaaccact acacgcagaagaggcctctccctgtctcccgggaaatga (SEQ ID NO:8)

Please replace the paragraph beginning at page **34**, line **18**, with the following amended paragraph:

The translated sequence of mukim-1 ectodomain-human Fc was as follows. Two junction amino acids contributed by the SalI site are indicated in bold:

MNQIQVFISGLILLLPGTVDSYVEVKGVVGHPVTLPCTYSTYRGITTTCWGRGQCPSSAC QNTLIWTNGHRVTYQKSSRYNLKGHISEGDVSLTIENSVESDSGLYCCRVEIPGWFNDQ KVTFSLQVKPEIPTRPPTRPTTTRPTATGRPTTISTRSTHVPTSIRVSTSTPPTSTHTWTHKP EPTTFCPHETTAEVTGIPSHTPTDWNGTATSSGDTWSNHTEAIPPGKPQKNPTKG**VD**KTH TCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVE VHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKG QPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDS DGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK (SEQ ID NO:9)